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Minimum signal peptide score	false positive rate	false negative rate	proba(0.1)	proba(0.2)
3,5	0,121	0,036	0,467	0,664
4	0,096	0,06	0,519	0.708
4,5	0,078	0,079	0,565	0,745
6	0,062	860,0	0,615	0,782
5,5	0,05	. 0,127	0,659	0,813
6	0,04	0,163	0,694	0,836
6,6	0,033	0,202	0,725	0,855
7	0,025	0,248	0,763	0,878
7,5	0,021	0,304	0,78	0,889
8	0,015	0,368	0,816	0,909
8,5	0,012	0,418	0,836	0,82
8	0,008	0,512	0.856	0.93
9,5	0,007	0,581	0,863	0,934
10	0,006	0,678	0,835	0,918

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## Score curves

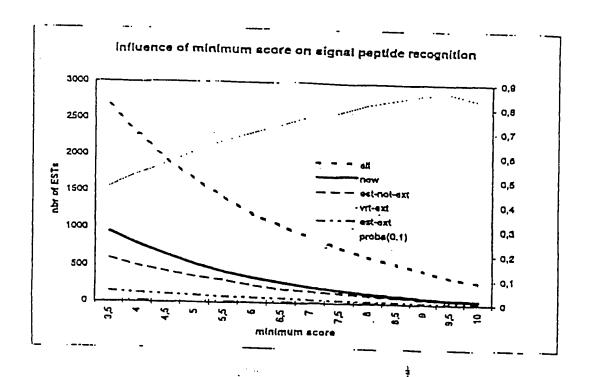


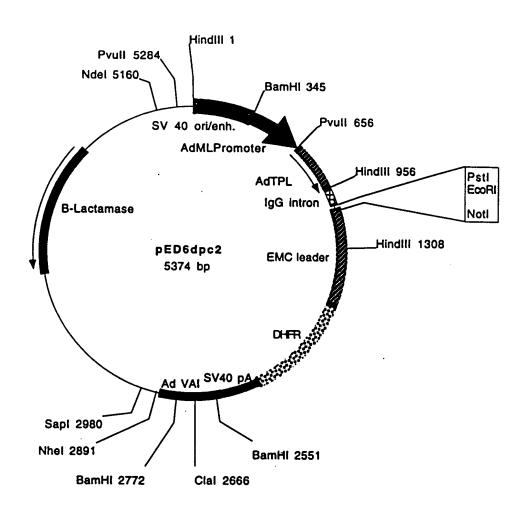
FIGURE 3

Minimum signal peptide score		New ESTs	ESTs matching public EST closer than 40 bp from beginning	ESTs extending known mRNA more than 40 bp	ESTs extending public EST more than 40 bp
3,5	2674	947	599	23	150
4	2278	784	489	23	126
4,5	1943	647	425	22	112
S	1657	523	353	21	96
5,5	1417	419	307	19	80
6	1180	340	238	18	68
6,5	1035	280	186	18	60
7	893	219	161	15	48
7,5	753	173	132	12	36
8	1		101	11	29
8,5	643	104	83	8	
. 8		81	63	6	24
9,5	364	57	48	6	. 18
10	303	47	35	6	15

Tissue	All ESTs	New ESTs	ESTs matching public EST closer than 40 bp from beginning	ESTs extending known mRNA more than 40 bp	ESTs extending public EST more than 40 bp
Brain	329	131	75	3	24
Cancerous prostate	134	40	37	1	6
Cerebellum	17	8	1	0	6
Colon	21	11	. 4	0	0
Dystrophic muscle	41	18	8	0	1
Fetal brain	70	37	18	0	1
Fetal kidney	227	116	48	1	19
Fetal Ilver	13	7	2	0	0
Heart.	30	15	7	0	1
Hypertrophic prostate	86	23	22	2	2
Kidney	10	7	3	0	o
Large intestine	21	8	4	0	1]
Liver	23	9	в	0	o
Lung	24	12	. 4	0	1
Lung (cells)	57	38	6	0	4
Lymph ganglia	163	60	23	. 5	12
Lymphocytes	23	6	4	0	2
Muscle	33	16	6	0	4
Normal prostate	181	61	45	7	11
Ovary	90	57	12	1	2
Pancreas	48	11	6	0	1
Placenta	24	5	1	0	, a
Prostate	34	16	4	- 0	2
Spleen	56	28	10	0	1
Substantia nigra	108	47	27	1	6
Surrenals	15	3	3	1	6
Testis	131	68	. 25	1	8
Thyrold	17	8	2	0	2
Umbilical cord	55	17	12	1	8 2 3 2
Uterus	28	15	3	0	
Non tissue-specific	568	48	177	2	28
Total	2677	947	601	23	150

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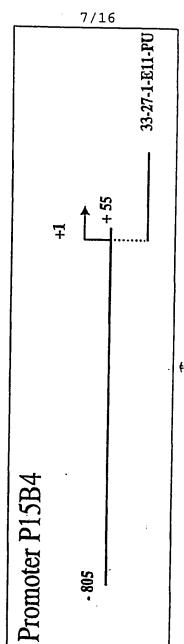
. - 1224



Plasmid name: pED6dpc2 Plasmid size: 5374 bp

Comments/References: pED6dpc2 is derived from pED6dpc1 by insertion of a new polylinker to facilitate cDNA cloning. SST cDNAs are cloned between EcoRI and NotI. pED vectors are described in Kaufman et al.(1991), NAR 19: 4485-4490.

FIGURE 6



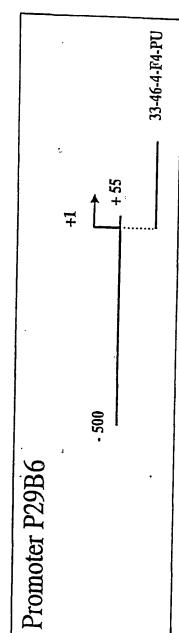


FIGURE . 7

# Description of Transcription Factor Binding Sites present on promoters isolated from BignetTeg sequences.

# Promoter sequence P13H2 (548 bp):

Matix CMY8_01 MYOO_08 88_01 68_01 DELTAEF1_01 GATA_C CMY8_01 GATA1_02 GATA_C TAL1ALPHAE47_01 TAL1BETAE47_01 TAL1BETALE47_01 MYOO_08 GATA1_04 IK1_01 IK2_01 CREL_01 GATA1_02 BRY_02 E2F_02	Position -602 -601 -444 -425 -380 -349 -235 -235 -235 -235 -120 -120 -120 -120 -120 -120 -120 -120	Orientation	8core 0.963 0.963 0.960 0.966 0.964 0.958 0.953 0.973 0.983 0.978 0.954 0.953 0.963 0.963 0.963 0.963	Length 9 10 11 11 11 11 11 18 16 16 10 13 18 12 10 14 12 5	84QMINOS TGTCAGTTG CCCAACTGAC AATAGAATTAG AACTAAATTAG GCACACCTCAG AGATAAATCCA CTTCAGTTG TTGTAGATAGGACA AGATAACAGATGGTAAG CATAACAGATGGTAAG CATAACAGATGGTAAG ACCATCTGTT TCAAGATAAGTA AGTTGGGAATTCC AGTTGGGAATTCC TGGGAATTCC TCAGTGATATGGCA TAAACAAAACA
		+	•		TAAAACAAAACA TTTAGCGC TGAGGGGA

#### Promoter sequence P1584 (861 bp):

Matrix		Position	Orientation	Score	Langth	8equance
NFY_Q6		-748	•	0,956	11	GGACCAATCAT
MZF1_01		-738	+	0.862	8	CCTGGGGA
CMYB_01		-684	+	0.994	g	TGACCGTTG
VMYB_02		-682	•	0,685	ō	TCCAACGGT
STAT_01	é	-673	+	0.968	ġ	TTOCTGGAA
STATE_O1	•	-673	•	0.951	9	TTOCAGGAA
MZF1_01		-656	•	0.956	8	TTGGGGGA
1K2_01		<b>-</b> 451	+	0.965	12	GAATGGGATTTC
MZF1_01		-424	••	0.988	8	AGAGGGGA
SRY_02		-326	•	0,855	12	GAAAACAAAACA
MZF1_01		-216	+	0.960	8	GAAGGGA
MYOD_Q6		-190	+	0.981	10	AGCATCTGCC
DELTAEF1_01		-176	+	0.958	11	TOCCACCTTOC
68_01		6	•	0.992	11	GAGGCAATTAT
MZF1_01		16		0.986	8	AGAGGGA

# Promoter sequence-P2986 (555 bp) :

Matrix ARNT_01	Position	Orientation	Score	Length	Sequence
HMYC_01	-311	+	0.064	16	GGACTCACGTGCTGCT
HMIC_UI	-309	+	<b>0.96</b> 6	12	ACTCACGTGCTG
USF_01	-309	+	0.985	12	ACTCACGTGCTG
USF_01 NMYC_01	-609	-	0.985	12	CAGCACGTGAGT
	-309	-	0.958	12	CAGCACGTGAGT.
MYCMAX_02	-309	•	0.972	12	CAGCACGTGAGT
USF_C USF_C	-307	+	0.997	8	TCACGTGC
MZF1_01	-507	•	0,991	8	GCACGTGA
ELK1_02	-292	•	0.968	6	CATGGGGA
CET81P64_01	-105	+	0.963	14	CTCTCCGGAAGCCT
AP1_Q4	-102	+	0.974	10	TCCGGAAGCC
AP1FJ_02	-42	-	0.963	11	AGTGACTGAAC
PADS_C	-12	•	0.961	11	AGTGACTGAAC
FADS_C	45	+	1.000	9	TGTGGTCTC

Figure 8

#### 98.2% identity in 113 aa overlap

	10	20	30	40	50	60
SeqID214	MVIRVYIASSSGSTA	IKKKQQDVI	LGFLEANKIGF	EEKDIAANEI	ENRKWMRENVPI	ENSRPA
AF042081	MVIRVYIASSSGSTA	IKKKQQDVI	LGFLEANKIGFE	EEKDIAANE	NRKWMRENVPE	INSRPA
	10	20	30	40	50	60

FIGURE 9

seqID215 seqID185 AF082526	MADDLKRFLYKKLPSVEGLHAIVVSDRDGVPVIKVANDNAPEHALRPGFLSTFALATDQG MADDLKRFLYKKLPSVEGLHAIVVSDRDGVPVVKVANDNAPEHALRPGFLSTFALATDQG MADDLKRFLYKKLPSVEGLHAIVVSDRDGVPVIKVANDSAPEHALRPGFLSTFALATDQG
seqID215 seqID185 AF082526	SKLGLSKNKSIICYYNTYQVVQFNRLPLVVSFIASSSANTGLIVSLEKELAPLFEELRQV SKLGLSKNKSIICYYNTYQVVQFNRLPLVVSFIASSSANTGLIVSLEKELAPLFEELRQV SKLGLSKNKSIICYYNTYQVVQFNRLPLVVSFIASSSANTGLIVSLEKELAPLFEELIKV
seqID215 seqID185 AF082526	VEVS VEVS VEVS

### FIGURE 10

91.3% identity in 230 aa overlap

	10	20	30	40	50	60
SeqID186	MASLGLQLVGYILG:	LLGLLGTLVA	MLLPSWKTSS	YVGASIVTAV	GFSKGLWMEC	CATHSTG
AF072128	MASLGVQLVGYILG		:::::::: MLLPNWRTSS	::::::::: YVGASIVTA	GFSKGLWMEC	CATHSTG
	10	20	30	40	50	60
	70	80	90	100	110	120
SeqID186	ITQCDIYSTLLGLP		WTSSAISSLA	CIISVVGMR	CTVFCQESRAK	DRVAVA
			::::::::		::::::::::	
AF072128	ITQCDIYSTLLGLP			CIISVVGMR	CTVFCQDSRAK	DRVAVV
	70	80	90	100	110	120
	120					
	130	140	150	160	170	180
SeqID186	GGVFFILGGLLGFI:	PVAWNLHGIL	RDFYSPLVPD	SMKFEIGEAL	YLGIISSLFS	LIAGII
		:::::::::::	:::::::::	::::::::::		: . : : . :
AF072128	GGVFFILGGILGFI	PVAWNLHGIL	RDFYSPLVPD	SMKFEIGEAL	YLGIISALFS	LVAGVI
	130	140	150	160	170	180
	190	200	210	220	230	
SeqID186	LCFSCSSQRNRSNY	YDAYQAQPLA	TRSSPRPGOP	PKVKSEFNSY	SLTGYV	
	::::::::		:::::::			
AF072128	LCFSCSPQGNRTNY	YDGYOAOPLA	TRSSPRSAGO	PKAKSEFNSY	SITGVV	
	190	200	210	220	230	

### FIGURE 11

#### 98.3% identity in 121 aa overlap

				10	20	30	
seqID213			RFRK	ETDNAAIIM	KVDKDRQMVVL	EEEFRNISP	EELKME
					:::::::::		
ABOUTAA3	MSDSLVV	CEVDPELTE	KLRKFRFRK	ETDNAAIIM	KVDKDRQMVVL	EEEFQNISP	EELKME
		10	20	30	40	50	60
4	40	50	60	70	80	90	
seqID213					GCKPEQQMMYA		
					:::::::::::::::::::::::::::::::::::::::		
AB001993	LPERQPR	FVVYSYKYV	HDDGRVSYP:	LCFIFSSPV	GCKPEQQMMYA	GSKNRLVQT.	AELTKV
		70	80	90	100	110	120
10	00	110	120				
seqID213	FEIRTTD	DLTEAWLQE	KLSFFR				
	::::::	::::::::	:::::		,		
AB001993	FEIRTTD	DLTEAWLQE	KLSFFR				
	;	130	140				

FIGURE 12

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### 95.6% identity in 91 aa overlap

seq ID191					10	20
sed IDIAL				MGCV	FQSTEDKCIF	KIDWTLS
W36955	MFCPLKLILLPVLI	DYSLGLNDL	NVSPPELTVHV	::::: GDSALMGCVI	::::::::: FQSTEDKCIFK	::::::
	10	20	30	40	50	60
	30	40	50	60	70	80
seq ID191	PGEHAKDEYVLYYY	SNLSVPIGR	FQNRVHLMGDI	LCNDGSLLLC	DDVOEADOGTV	TORTRI.
W36955	PGEHAKDEYVLYYY	::::::::	:::::::::	::::::::::		TODINE
	70	80	90	100	110	
	90	100				

seq ID191 KGESQVFKKAVVLHVLPEEPKGTQMLT

### FIGURE 13

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99.0% identity in 381 aa overlap;

		_				
	10	20	30	40	50	60
seqID200	MLLSIGMLMLSATQV	TVLTVQLFAI	FLNPLPVEAD:	LAYNFENASO	TEDDI.DADEC	מ זמעי
					. <b></b>	
AF037204	MLLSIGMLMLSATQV	TILTVQLFA	LNLLPVEAD	LAYNFENASC	TFDDLPARFO	YRLP
	10	20	30	40	50	60
' 10.00	70	80	90	100	110	120
id200	AEGLKGFLINSKPENA	CEPIVPPPV	KDNSSGTFIVI	IRRLDCNFDI	KVLNAORAGY	דגגע
30037304						
AFU3/204	AEGUAGI LINSKPENA	CEPIVPPPV	(DNSSGTFIVI	JIRRLDCNFDI	KVLNAQRAGY	KAAI
	70	80	90	100	110	120
	130	1.40				
id200		140	150	160	170	180
10200	VHNVDSDDLISMGSND	TEATKKIDIE	SVFIGESSAS	SLKDEFTYEK	GGHLILVPEF	SLPL
AF037204	VHNVDSDDI TEMCENE	:::::::::	:::::::::	:::::::::::::::::::::::::::::::::::::::	:::::::::	::::
03/201	VHNVDSDDLISMGSND	140	SVFIGESSAN	SLKDEFTYEK		SLPL
	130	140	150	160	170	180
	190	200	210	222		
id200	EYYLIPFLIIVGICLI		ZIU WODDWD ADDA	220	230	240
	:::::::::::::::::::::::::::::::::::::::	::::::	VODKHRARRI	KTKKDÖTKKT	PVHKFKKGDE	YDVC
AF037204	EYYLIPFLIIVGICLI	LIVIEMTTEE	NGDAHHADOV.	יייי ווווווווו	Diniversone	:::
	190	200	210	220	230	240
				220	230	240
-	250	260	270	280 .	290	300
id200	AICLDEYEDGDKLRIL	PCSHAYHCKC	VD <b>PW</b> LTKTKK	TCPVCROKVV	PSOCDSDSD®	neen
AF037204	AICLDEYEDGDKLRIL	PCSHAYHCKC	VD <b>PW</b> LTKTKK	TCPVOKQKVV	PSQGDSDSDT	DSSO
	250	260	270	280	290	300
id200	310	320	330	340	350	360
10200	EENEVTEHTPLLRPLA	SVSAQSFGAL	SESRSHQNMT	ESSDYEEDDN	EDTDSSDAEN!	EINE
λ E027204	PENEUMBUMBAR DES		:::::::::	:::::::::	::::::::	::::
AF 03 /204	EENEVTEHTPLLRPLA 310	SVSAQSFGAL	SESRSHQNMT	ESSDYEEDDN:	EDTDSSDAEN	EINE
	310	320	330	340	350	360
	370	380				
id200	HDVVVQLQPNGERDYN					
	:::::::::::::::					
AF037204	HDVVVQLQPNGERDYN:	 T				
	370	380				
	3.0	200				

FIGURE 14

100.0% identity in 68 aa overlap

seqID192	10 MSVFWGFVGFLV	20 PWFIPKGPNRG	30 SVIITMLVTCS	40 SVCCYLFWLIA	50 ILAQLNPLFG	60 PQLKNET
Y15286	::::::::::::::::::::::::::::::::::::::	:::::::: PWFIPKGPNRG 30	::::::::: VIITMLVTCS 40	:::::::: VCCYLFWLIA 50	::::::::: ILAQLNPLFG 60	:::::: PQLKNET 70
segID192	IWYLKYHW					
Y15286	::::::: IWYLKYHW 80					

## FIGURE 15

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seqID201 seqID227 X85116	-MDSRVSSPEKQDKENFVGVNNKRLGVCGWILFSLSFLLVIITFPISIWMCLKIIREYMWLDPVFPLFPVGDH MAEKRHTRDSEAQRLPDSFKDSPSKGLGPCGWILVAFSFLFTVITFPISIWMCIKIIKEY  * . **.
seqID201 seqID227 X85116	ERAVVFRLGRIQADKAKGPGLILVLPCIDVFVKVDLRTVTCNIPPQEILTRDSVTTQVDG YLPHLHMDVLEGLILVLPCIDVFVKVDLRTVTCNIPPQEILTRDSVTTQVDG ERAIIFRLGRILQGGAKGPGLFFILPCTDSFIKVDMRTISFDIPPQEILTKDSVTISVDG * * * * * * * * * * * * * * * * * * *
seqID201 seqID227 X85116	VVYYRIYSAVSAVANVNDVHQATFLLAQTTLRNVLGTQTLSQILAGREEIAHSIQTLLDD VVYYRIYSAVSAVANVNDVHQATFLLAQTTLRNVLGTQTLSQILAGREEIAHSIQTLLDD VVYYRVQNATLAVANITNADSATRLLAQTTLRNVLGTKNLSQILSDREEIAHNMQSTLDD *****
seqID201 seqID227 X85116	ATELWGIRVARVEIKDVRIPVQLQRSMAAEAEATREARAKVLAAEGEMSASKSLKSASMV ATELWGIRVARVEIKDVRIPVQLQRSMAAEAEATREARAKVLAAEGEMNASKSLKSASMV ATDAWGIKVERVEIKDVKLPVQLQRAMAAEAEASREARAKVIAAEGEMNASRALKEASMV
seqID201 seqID227 X85116	LAESPIALQLRYLQTLSTVATEKNSTIVFPLPMNILEGIGGVŞYDNHKKLP <b>NKA</b> LAESPIALQLRYLQTLSTVATEKNSTIVFPLPMNILEGIGGVŞYDNHKKLP <b>NKA</b> ITESPAALQLRYLQTLTTIAAEKNSTIVFPLPIDMLQGIIGAKHSHLG

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